

# Student Health Center @ Penn State

## Project Team

Owner:  
Pennsylvania State University  
Architect:  
RMJM Hillier  
Structural Engineer:  
Greenman - Pedersen, Inc.  
Civil Engineer:  
Gannett Fleming  
MEP Engineer:  
BR&A/Bard, Rao, and Athanas  
CM Firm:  
Whiting - Turner



## Building Statistics

5 Stories  
64,000 SF  
Completed Fall 2008  
\$26 million LEED Certified Building



## Architecture:

Face brick accented with cast stone masonry bands  
Glass curtain wall accented with metal panels  
maximizes natural light -  
Green Roof  
reduces stormwater runoff -  
reduces heating/cooling costs -  
Screenwall around rooftop mechanical equipment

## Structural System:

Structural steel frame  
Concrete slab on composite steel deck floor system  
Partially-restrained moment frame to resist lateral loads  
Minipile foundation at 45 ft depth

## MEP System:

(2) Air Handling Units on Roof  
Airflow regulated by VAV and CAV boxes  
Uses 277/480V, 3 phase, 4 wire system mainly for lighting  
Utilizes 120/208V, 3 phase, 4 wire system for receptacles, etc.



**Jacob Brambley**  
Structural Option

<http://www.engr.psu.edu/ae/thesis/portfolios/2010/jkb207/>